Attorney's Docket No. 042933/267065 PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No.:	10/659,934	Confirmation No.: 5056
Applicant(s):	Wu et al.	
Filed:	09/11/2003	
Art Unit:	2152	
Examiner:	Thomas J. Dailey	
Title:	SYSTEM AND METHOD FOR PROXY-BASED REDIRECTION OF RESOURCE REQUESTS	

Customer No.: 00826

Mail Stop Appeal Brief-Patents
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

APPEAL BRIEF TRANSMITTAL
(PATENT APPLICATION – 37 C.F.R. § 41.37)

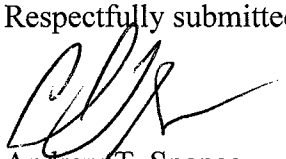
1. Transmitted herewith is the APPEAL BRIEF in this application, with respect to the Notice of Appeal filed on June 18, 2008.

2. ☐ Applicant claims small entity status.

3. Pursuant to 37 C.F.R. § 41.20(b)(2), the fee for filing the Appeal Brief is:
   - ☐ small entity $255.00
   - ☒ other than small entity $510.00 Appeal Brief fee due: $510.00

   ☒ Any additional fee or refund may be charged to Deposit Account 16-0605.

Respectfully submitted,



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APPEAL BRIEF UNDER 37 CFR § 41.37

This Appeal Brief is filed pursuant to the "Notice of Appeal to the Board of Patent Appeals and Interferences," filed June 18, 2008, and the "Notice of Panel Decision from Pre-Appeal Brief Review," mailed July 10, 2008.

1. *Real Party in Interest.*

The real party in interest in this appeal is Nokia Corporation, the assignee of the above-referenced patent application.

2. *Related Appeals and Interferences.*

There are no related appeals and/or interferences involving this application or its subject matter.

3. ***Status of Claims.***

All of the pending claims, namely Claims 1-5, 7-12, 14-19, 21, 22, 24-29, 31, 32 and 34-38, stand rejected and are the subject of the present appeal.

4. ***Status of Amendments.***

There are no unentered amendments in this application.

5. ***Summary of Claimed Subject Matter.***

The claimed invention will now be summarized with references to passages of the specification and drawings. It should be understood, however, that the references are provided solely for explanatory purposes, and should not otherwise in and of themselves be taken to limit the scope of the claimed invention.

Independent Claim 1 recites a system for requesting a resource over at least one network. As recited and with reference to FIGS. 1, 2 and 3, for example, the system includes a terminal **10**, a host (first origin server **24a**), network proxy **27** and terminal proxy **42**. The terminal includes a client application **40** and is configured to send a first request **52** (e.g., HTTP request per dependent Claim 3) for the resource over a first network and a second network (e.g., wireless network and wireline network, respectively, per dependent Claim 2), the first request identifying the resource at a first location on the host. Pat Appl., page 11, line 7 – page 12, line 7. The host is configured to receive the first request, and thereafter send a first response **54** (e.g., HTTP response including a 3xx "Redirection" status code per dependent Claim 3). *Id.* at page 12, line 7 – page 13, line 3.

The network proxy **27** is configured to communicate with the host (origin server **24a**) over the second network (e.g., wireline network) independent of the first network (e.g., wireless network), and receive the first response **54** from the host. *Id.* at page 13, lines 4-6. The network proxy is configured to reformulate the first request **52** into a second request **56** that identifies the resource at a second location, and send the second request to a host (second origin server **24b**) of the resource at the second location such that the host of the resource at the second location

responds to the second request with a second response **58**. *Id.* at page 13, line 6 – page 14, line 1.

The terminal proxy **42** is configured to communicate with the client application **40** independent of the first network (e.g., wireless network), and receive the first response **54** and the second response **58** from the network proxy **27**. *Id.* at page 14, lines 1-10. The terminal proxy is configured to send the first response to the client application such that, in response to the first response, the client application reformulates the first request into a third request **64** that identifies the resource at a second location. *Id.* at page 14, lines 11-27. And the client application is configured to send the third request to the terminal proxy such that the terminal proxy sends the second response to the client application. *Id.* at page 14, line 27 – page 15, line 2.

Independent Claim 8 recites a method of requesting a resource over at least one network. As recited and with reference to FIGS. 1, 2 and 3, for example, the method includes sending a first request **52** (e.g., HTTP request per dependent Claim 10) for the resource from a terminal **10** to a host (first origin server **24a**) over a first network and a second network (e.g., wireless network and wireline network, respectively, per dependent Claim 9), where the terminal includes a client application **40**, and the first request identifies the resource at a first location on the host. Pat Appl., page 11, line 7 – page 12, line 7. The method also includes receiving a first request at the host, and thereafter sending a first response **54** (e.g., HTTP response including a 3xx "Redirection" status code per dependent Claim 10). *Id.* at page 12, line 7 – page 13, line 3. In addition, the method includes receiving the first response at a network proxy **27**, where the first response is sent by the host and received at the network proxy over the second network independent of the first network. *Id.* at page 13, lines 4-6. The method further includes reformulating the first request into a second request **56** at the network proxy that identifies the resource at a second location, and thereafter sending the second request to a host (origin server **24a**) of the resource at the second location such that the host of the resource at the second location responds to the second request with a second response **58**. *Id.* at page 13, line 6 – page 14, line 1.

As further recited, the method includes sending the first response **54** and the second response **58** to a terminal proxy **42**, and sending the first response to the client application **40** such that, in response to the first response, the client application reformulates the first request **52** into a third request **64** that identifies the resource at a second location. *Id.* at page 14, lines 1-27. The method includes sending the third request from the client application to the terminal proxy, and thereafter sending the second response to the client application, where sending the first response to the client application, sending the third request to the terminal proxy and sending the second response to the client application occur independent of the first network (e.g., wireless network). *Id.* at page 14, line 27 – page 15, line 2.

Independent Claim 15 recites an apparatus including a processor configured to communicate with a host (first origin server **24a**) over a second network (e.g., wireline network) independent of a first network (e.g., wireless network). As recited and with reference to FIGS. 1, 2 and 3, for example, the processor is configured to receive a first response **54** (e.g., HTTP response including a 3xx "Redirection" status code per dependent Claim 17) from the host. Pat Appl., page 11, line 7 – page 13, line 6. The first response includes a redirection to a resource at a second location and is responsive to a first request **52** (e.g., HTTP request per dependent Claim 17) sent from a terminal **10** to the host over the first network and the second network, and the first request identifies the resource at a first location on the host. *Id.* The processor is configured to reformulate the first request into a second request **56** that identifies the resource at the second location, and thereafter send the second request to a host (origin server **24a**) of the resource at the second location such that the host of the resource at the second location responds to the second request with a second response **58**. *Id.* at page 13, line 6 – page 14, line 1. And as further recited, the terminal includes a terminal proxy **42** to which the processor is configured to send the first response and the second response. *Id.* at page 14, lines 1-10.

Independent Claim 22 recites an apparatus (terminal **10**) for requesting a resource over at least one network, where the apparatus includes a client application **40** and terminal proxy **42**. As recited and with reference to FIGS. 1, 2 and 3, for example, the client application is configured to send a first request **52** for the resource to a host (first origin server **24a**) over a first network (e.g., wireless network) and a second network (e.g., wireline network), where the first

request identifies the resource at a first location on the host. Pat Appl., page 11, line 7 – page 12, line 7. The client application is configured to send the first request in a manner so that the host sends a first response **54** that a network proxy **27** receives over the second network independent of the first network, reformulates the first response into a second request **56** that identifies the resource at a second location, and sends the second request to a host (origin server **24a**) of the resource at the second location. *Id.* at page 12, line 7 – page 14, line 1. The second request is sent such that the host of the resource at the second location responds to the second request with a second response **58**. *Id.*

The terminal proxy **42** is configured to communicate with the client application **40** independent of the first network (e.g., wireless network), and receive the second response **58** and thereafter send the second response to the client application. *Id.* at page 14, lines 1-10. The terminal proxy is also configured to receive the first response **54**, and send the first response to the client application such that, in response to the first response, the client application reformulates the first request **52** into a third request **64** that identifies the resource at a second location. *Id.* at page 14, lines 11-27. And the client application is configured to send the third request to the terminal proxy such that the terminal proxy sends the second response to the client application. *Id.* at page 14, line 27 – page 15, line 2.

Independent Claim 25 recites a computer program product comprising a computer-readable storage medium having computer-readable program code portions stored therein. Pat Appl., page 15, line 29 – page 16, line 30. As recited and with reference to FIGS. 1, 2 and 3, for example, the computer-readable program code portions include first, second, third and fourth executable portions. The first executable portion is configured to receive a first response **54** (e.g., HTTP response including a 3xx "Redirection" status code per dependent Claim 27) from a host (first origin server **24a**) over a second network (e.g., wireline network) independent of a first network (e.g., wireless network). *Id.* at page 11, line 7 – page 13, line 6. The first response includes a redirection to a resource at a second location, and is responsive to a first request **52** (e.g., HTTP request per dependent Claim 27) sent from a terminal **10** to the host over the first network and the second network. In this regard, the first request identifies the resource at a first location on the host, and wherein the terminal includes a terminal proxy **42**. *Id.*

The second executable portion is configured to reformulate the first request **52** into a second request **56** that identifies the resource at the second location. *Id.* at page 13, line 6 – page 14, line 1. The third executable portion is configured to send the second request to a host (origin server **24a**) of the resource at the second location such that the host of the resource at the second location responds to the second request with a second response **58**. *Id.* And the fourth executable portion configured to send the first response **54** and the second response to the terminal proxy **42**. *Id.* at page 14, lines 1-10.

Independent Claim 32 recites a computer program product for requesting a resource over at least one network, where the computer program product includes a computer-readable storage medium having computer-readable program code portions stored therein. Pat Appl., page 15, line 29 – page 16, line 30. As recited and with reference to FIGS. 1, 2 and 3, for example, the computer-readable program code portions include first and second executable portions. The first executable portion is configured to send a first request **52** for the resource to a host (first origin server **24a**) over a first network (e.g., wireless network) and a second network (e.g., wireline network), where the first request identifies the resource at a first location on the host. *Id.* at page 11, line 7 – page 12, line 7. The first executable portion is also configured to send the first request in a manner so that the host sends a first response **54** that a network proxy **27** receives over the second network independent of the first network, reformulates into a second request **56** that identifies the resource at a second location, and sends the second request to a host (origin server **24a**) of the resource at the second location such that the host of the resource at the second location responds to the second request with a second response **58**. *Id.* at page 12, line 7 – page 14, line 1.

The second executable portion is configured to communicate with the first executable portion independent of the first network (e.g., wireless network), and receive the second response **58** and thereafter send the second response to the first executable portion. *Id.* at page 14, lines 1-10. The second executable portion is configured to also receive the first response **54** and thereafter send the first response to the first executable portion such that, in response to the first response, the first executable portion reformulates the first request **52** into a third request **64** that identifies the resource at a second location. *Id.* at page 14, lines 11-27. And the first executable

portion is configured to send the third request to the second executable portion such that the second executable portion sends the second response to the first executable portion. *Id.* at page 14, line 27 – page 15, line 2.

As recited by dependent Claims 7, 14, 21, 24, 31 and 34 either or both of the first response or the second response may be compressed before being sent to or received by the terminal proxy. Pat Appl., page 14, lines 6-10.

6. ***Grounds of Rejection to be Reviewed on Appeal.***

Pending Claims 15-19, 21, 25-29 and 31 stand rejected under 35 U.S.C. § 102(b) as being anticipated by PCT Patent Application Publication No. WO 01/33804 to Leppinen; and the remaining claims, namely Claims 1-5, 7-12, 14, 22, 24, 32 and 34-48, stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Leppinen, in view of Official Notice of facts outside the record.

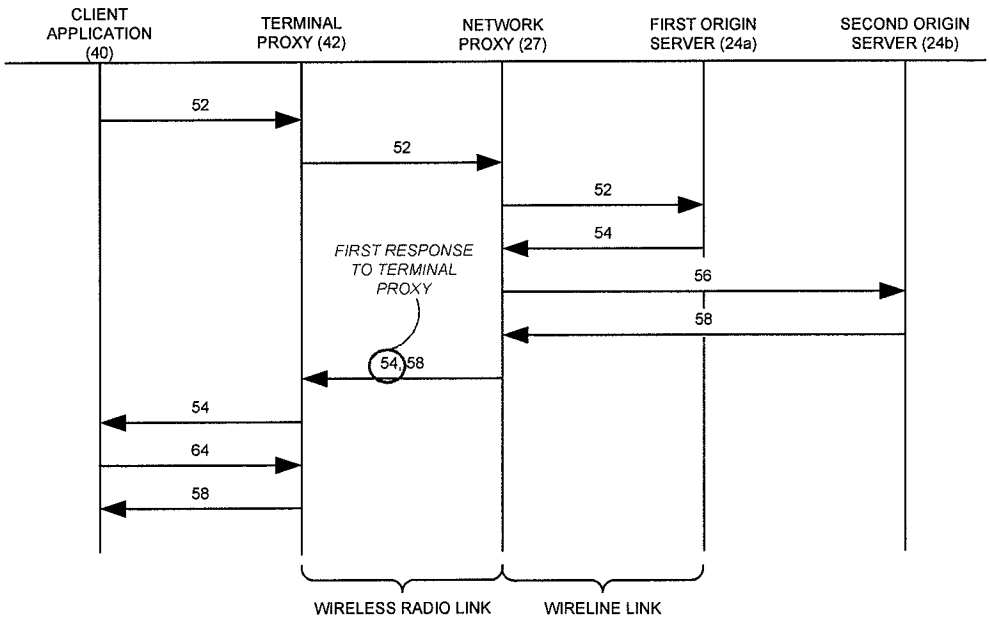
7. ***Argument.***

The present application includes pending Claims 1-5, 7-12, 14-19, 21, 22, 24-29, 31, 32 and 34-38. Pending Claims 15-19, 21, 25-29 and 31 stand rejected under 35 U.S.C. § 102(b) as being anticipated by PCT Patent Application Publication No. WO 01/33804 to Leppinen; and the remaining claims, namely Claims 1-5, 7-12, 14, 22, 24, 32 and 34-48, stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Leppinen, in view of Official Notice of facts outside the record. As explained below, Appellants respectfully submit that the claims are definite, and patentably distinct from Leppinen, alone or in view of any proper Official Notice. In view of the remarks presented herein, Appellants respectfully request reconsideration of the application and reversal of the rejection of all of the pending claims thereof.

A. Claims 15-19, 21, 25-29 and 31 are Patentable

As indicated above, pending Claims 15-19, 21, 25-29 and 31 stand rejected as being anticipated by Leppinen. Independent Claim 15 (parenthetically referenced to annotated FIG. 3 below solely to illustrate one exemplary scenario) recites an apparatus including a processor

(network proxy **27**) configured to communicate with a host (**24a**) over a second network (wireline link) independent of a first network (wireless radio link), and configured to receive a first response (**54**) from the host. As recited, the first response includes a redirection to a resource at a second location and is responsive to a first request (**52**) sent from a terminal (including a terminal proxy **42**) to the host over the first network and the second network, the first request identifying the resource at a first location on the host. The processor is configured to reformulate the first request into a second request (**56**) that identifies the resource at the second location, and thereafter send the second request to a host (**24b**) of the resource at the second location such that the respective host responds to the second request with a second response (**58**). The processor, then, is configured to send the first response (**54**) and the second response (**58**) to the terminal proxy.



Present Application, FIG. 3

In contrast to independent Claim 15, Leppinen fails to teach or suggest at least sending first and second responses to the terminal proxy, the first response including a redirection to a resource at a second location. Appellants note that the Examiner first alleges that the recited first response corresponds to a disclosed HTTP redirection message from Leppinen's web server to

gateway server, but then alleges that the first response corresponds to the disclosed new URL of the resource sent from Leppinen's gateway proxy to mobile station. Official Action of March 28, 2008, pages 2, 4 and 5. As recited, independent Claim 15 requires the first response to include a redirection to the resource at the second location. And even if one could argue that the disclosed HTTP redirection message corresponds to a redirection, under no reasonable interpretation of independent Claim 15 may a new URL alone correspond to a redirection. *See* MPEP § 2111 (explaining that the broadest reasonable interpretation of the claims must be consistent with the specification, and are presumed to have the ordinary and customary meanings attributed to them by those of ordinary skill in the art). And nowhere does Leppinen teach or suggest that its new URL includes, or is sent to the mobile station with, a redirection to the resource at the new URL, similar to independent Claim 15 reciting the first response including a redirection. Again, Leppinen may disclose that its gateway server receives a response from the web server including a redirection and the new URL; but nowhere does Leppinen teach or suggest that this redirection response is sent to any proxy of the mobile station, similar to the redirection of independent Claim 15.

In response to the foregoing, the Examiner maintains that Leppinen discloses its gateway server receiving a response including a redirection message. This disclosure of Leppinen, however, still does not meet the claimed first response that not only includes a redirection, but is also sent to the terminal (or more precisely, the terminal's terminal proxy), as per independent Claim 15. That is, even if one could argue that Leppinen's gateway server receives an HTTP redirection message corresponding to the recited first response including a redirection, Leppinen fails to further disclose that the HTTP redirection message (first response) is sent to the mobile station. And even if one could argue that the HTTP redirection message (first response) includes a new URL, which the gateway server does send to the mobile station, independent Claim 15 recites that the first response itself (recited as including the redirection) and not just any indication of a new location that may be included therein, is sent to the terminal's proxy.

Appellants therefore respectfully submit that independent Claim 15, and by dependency Claims 16-19 and 21, is patentably distinct from Leppinen. Appellants also respectfully submit that independent Claim 25 recites subject matter similar to that of independent Claim 15,

including at least the feature of sending first and second responses to a terminal proxy, the first response including a redirection. Thus, Appellants also respectfully submit that independent Claim 25, and by dependency Claims 26-29 and 31, is patentably distinct from Leppinen for reasons similar to those provided above with respect to independent Claim 1.

In addition to the foregoing Appellants respectfully submit that various ones of dependent Claims 16-19, 21, 26-29 and 31 recite features further patentably distinct from Leppinen. Examples of these claims are provided below.

1. Dependent Claims 17, 19, 27 and 29

Dependent Claims 17, 19, 27 and 29 recite that the first response includes an HTTP 3xx "Redirection" status code, or determining if the first response includes a 3xx "Redirection" status code. As explained above with respect to independent Claim 15, Leppinen does not teach or suggest sending a first response including a redirection to a terminal (or rather its terminal proxy). By extension, then, Leppinen also does not teach or suggest sending a first response including a 3xx "Redirection" status code to the terminal. Again, the Examiner appears to equate the new URL sent from Leppinen's gateway server to its mobile station as corresponding to the first response. But as explained above, under no reasonable interpretation of independent Claim 15 may a new URL alone correspond to a redirection. And even if one could argue that the new URL does correspond to a redirection, the new URL even more clearly does not include a 3xx "Redirection" status code, as may the first response of dependent Claims 17, 19, 27 and 29.

2. Dependent Claims 21 and 31

Dependent Claims 21 and 31 recite that either or both of the first or second responses are compressed before being sent to the terminal (or rather its proxy). This feature is also absent from Leppinen. That is, taking the Examiner's interpretation of any of Leppinen's HTTP redirection message, new URL or requested resource as corresponding to either the recited first or second response, nowhere does Leppinen teach or suggest that any that data or information is compressed before being sent to the terminal. Leppinen discloses that its new URL may be sent

as a header to the requested resource, but in no event does Leppinen disclose that either or both of the new URL or requested resource are compressed before being sent to the mobile station, similar to the first and/or second responses of dependent Claims 21 and 31.

B. Claims 1-5, 7-12, 14, 22, 24, 32 and 34-48 are Patentable

Pending Claims 1-5, 7-12, 14, 22, 24, 32 and 34-48 stand rejected as being unpatentable over Leppinen in view of Official Notice of facts outside the record. Independent Claim 8 recites a method for requesting a resource over one or more networks. As recited (and again parenthetically referenced to FIG. 3 solely to illustrate one exemplary scenario), a first request (**52**) for the resource is sent from a terminal (including a client application **40**) to a host (**24a**) over a first network (wireless radio link) and a second network (wireline link), the first request identifying the resource at a first location on the host. The host receives the first request and replies with a first response (**54**). A network proxy (**27**) receives the first response from the host over the second network independent of the first network. The network proxy then reformulates the first request into a second request (**56**) that identifies the resource at a second location, and thereafter sends the second request to a host (**24b**) of the resource at the second location for that host to respond with a second response (**58**).

As further recited, the method also includes sending the first response (**54**) and the second response (**58**) to a terminal proxy (**42**), and sending the first response to the client application (**40**) such that, in response to the first response, the client application reformulates the first request into a third request (**64**) that identifies the resource at a second location. The third request is sent from the client application to the terminal proxy, and thereafter the second response is sent to the client application. In this regard, the first response is sent to the client application, the third request is sent to the terminal proxy, and the second response is sent to the client application, independent of the first network (wireless radio link).

In contrast to independent Claim 8, and as conceded by the Examiner, Leppinen does not teach or suggest the recited method including a terminal proxy receiving both first and second responses and providing the first response to the terminal client; the terminal client then, in response to the first response, formulating a third request (e.g., new, redirected request) that the

terminal proxy receives and responds to with the second response, the communication between the terminal client and terminal proxy occurring independent of the first network. Nonetheless, the Examiner takes Official Notice that this feature is well known to those skilled in the art given the explicit disclosure of Leppinen. Appellants have and continue to respectfully disagree, and traverse the Official Notice taken by the Official Action.

According to the MPEP § 2144.03(A.), Official Notice can only be taken of facts that are "capable of instant and unquestionable demonstration as being well-known." Citing *In re Ahlert*, 424 F.2d 1088, 1091 (CCPA 1970), the MPEP continues by explaining that "the notice of facts beyond the record which maybe taken by the examiner must be 'capable of such instant and unquestionable demonstration as to defy dispute.'" Appellants respectfully submit that the Examiner did not, in fact, take Official Notice of facts capable of instant and unquestionable demonstration as being well known so as to defy dispute; and nowhere has the Examiner provided any documentary evidence to support the taking of Official Notice.

As explained in response to the second, non-final Official Action, the basis for the Official Notice seems to be that by Leppinen's mobile station receiving the new URL of a resource (alleged first response) and accordingly updating a history file, it would have been well known and obvious for the mobile station to formulate a subsequent request for that resource based on the new URL, and that this subsequent request corresponds to the recited third request. Even if one could argue that it would have been obvious for Leppinen's mobile station to formulate a subsequent request for the resource based on the new URL (although expressly not admitted), that does not support the mobile station formulating that subsequent request in response to receiving the new URL (alleged first response), similar to the recited client application reformulating the first request into the third request in response to the first response. Leppinen explicitly discloses that its mobile station receives the resource with the resource's new URL; and as such, Appellants question the extent the mobile station would even respond to the new URL by again requesting the resource.

Moreover, the obviousness of any subsequent request by Leppinen's mobile station does not support that the subsequent request is serviced by a terminal proxy configured to communicate with the requesting application independent of a first network (over which – along

with a second network – the mobile station would have had to send a former, first request for the resource at an old URL). That is, the Official Action has not supported any Official Notice that it would have been well known and obvious for a proxy to receive the resource and new URL, send the new URL to the mobile station such that, in response to the new URL, the mobile station formulates a third request to the proxy such that the proxy then sends the resource to the mobile station. Rather, at best, one could argue that that any subsequent resource request using the new URL of Leppinen is serviced by the web server of the new URL or the gateway server, neither of which may reasonably correspond to the recited terminal proxy since both are across the alleged first network from the mobile station.

In response to the foregoing, the Examiner in the final Official Action alleged that although a subsequent resource request may use the new URL of Leppinen, that request need not be serviced by the web server or gateway server, but may instead be serviced from a cache. Official Action of March 28, 2008, page 9. Thus, under the interpretation of the Examiner, it would have been obvious to modify Leppinen such that its MS receives a new URL (first response) and requested resource (second response), and services a subsequent request (third request) from a cache of the previously requested and received resource (second response). Again, even if one could argue that it would have been obvious to modify Leppinen in this manner, the modified Leppinen still would not teach or suggest formulating the subsequent request (third request) in response to its being sent the new URL or even just in response to the new URL in general. Nowhere under Leppinen alone or in combination with any alleged Official Notice does the mobile station reformulate a subsequent request in response to the new URL, similar to independent Claim 8 reformulating a first request into a third request.

Appellants therefore respectfully submit that independent Claim 8, and by dependency Claims 9-12, 14 and 36, is patentably distinct from Leppinen, and that the Official Action did not support any proper Official Notice to cure the deficiencies of Leppinen. Appellants also respectfully submit that independent Claims 1, 22 and 32 recite subject matter similar to that of independent Claim 8, including the aforementioned request/response exchange between the terminal and terminal proxy. Thus, Appellants also respectfully submit that independent Claims 1, 22 and 32, and by dependency Claims 2-5, 7, 24, 34, 35, 37 and 38, are patentably distinct

from Leppinen and any proper Official Notice, for reasons similar to those provided above with respect to independent Claim 8.

In addition to the foregoing Appellants respectfully submit that various ones of dependent Claims 2-5, 7, 9-12, 14, 24 and 34-38 recite features further patentably distinct from Leppinen and any proper Official Notice. Examples of these claims are provided below.

1. Dependent Claims 35-38

Dependent Claims 35-38 recite that the first response includes a redirection to the host of the resource at the second location, which as explained above with respect to independent Claim 15 is absent from Leppinen. Again, the Examiner alleges that the recited first response corresponds to a disclosed HTTP redirection message from Leppinen's web server to gateway server, but then alleges that the first response corresponds to the disclosed new URL of the resource sent from Leppinen's gateway proxy to mobile station. Official Action of March 28, 2008, pages 2, 4 and 5. Even if one could argue that the disclosed HTTP redirection message corresponds to a redirection, however, under no reasonable interpretation of dependent Claims 35-38 may a new URL alone correspond to a redirection. *See* MPEP § 2111 (explaining that the broadest reasonable interpretation of the claims must be consistent with the specification, and are presumed to have the ordinary and customary meanings attributed to them by those of ordinary skill in the art). And nowhere does Leppinen teach or suggest that its new URL includes, or is sent to the mobile station with, a redirection to the resource at the new URL, similar to independent Claim 15 reciting the first response including a redirection. Again, Leppinen may disclose that its gateway server receives a response from the web server including a redirection and the new URL; but nowhere does Leppinen teach or suggest that this redirection response is sent to any proxy of the mobile station, similar to the redirection of dependent Claims 35-38.

2. Dependent Claims 3, 5, 10 and 12

Dependent Claims 3, 5, 10 and 12 recite that the first response includes an HTTP 3xx "Redirection" status code, or determining if the first response includes a 3xx "Redirection" status code. As explained above, Leppinen does not teach or suggest sending a first response including

a redirection to a terminal (or rather its terminal proxy). By extension, then, Leppinen also does not teach or suggest sending a first response including a 3xx "Redirection" status code to the terminal. Again, the Examiner appears to equate the new URL sent from Leppinen's gateway server to its mobile station as corresponding to the first response. But as explained above, under no reasonable interpretation of the claims may a new URL alone correspond to a redirection. And even if one could argue that the new URL does correspond to a redirection, the new URL even more clearly does not include a 3xx "Redirection" status code, as may the first response of dependent Claims 3, 5, 10 and 12.

3. Dependent Claims 7, 14, 24 and 34

Dependent Claims 7, 14, 24 and 34 recite that either or both of the first or second responses are compressed, which is also absent from Leppinen. That is, taking the Examiner's interpretation of any of Leppinen's HTTP redirection message, new URL or requested resource as corresponding to either the recited first or second response, nowhere does Leppinen teach or suggest that any data or information is compressed before being sent to the terminal. Leppinen discloses that its new URL may be sent as a header to the requested resource, but in no event does Leppinen disclose that either or both of the new URL or requested resource are compressed before being sent to the mobile station, similar to the first and/or second responses of dependent Claims 7, 14, 24 and 34.

8. ***Claims Appendix.***

The claims subject to this appeal are as follows:

1. (Previously Presented) A system for requesting a resource over at least one network, the system comprising:

a terminal including a client application and configured to send a first request for the resource over a first network and a second network;

a host configured to receive the first request, and thereafter send a first response, wherein the first request identifies the resource at a first location on the host;

a network proxy configured to communicate with the host over the second network independent of the first network, wherein the network proxy is configured to receive the first response from the host, wherein the network proxy is configured to reformulate the first request into a second request that identifies the resource at a second location, and wherein the network proxy is configured to send the second request to a host of the resource at the second location such that the host of the resource at the second location responds to the second request with a second response; and

a terminal proxy configured to communicate with the client application independent of the first network, wherein the terminal proxy is configured to receive the first response and the second response from the network proxy, wherein the terminal proxy is configured to send the first response to the client application such that, in response to the first response, the client application reformulates the first request into a third request that identifies the resource at a second location, and wherein the client application is configured to send the third request to the terminal proxy such that the terminal proxy sends the second response to the client application.

2. (Previously Presented) The system of Claim 1, wherein the first network comprises a wireless network, and the second network comprises a wireline network.

3. (Previously Presented) The system of Claim 2, wherein the terminal is configured to send a first hypertext transfer protocol (HTTP) request, and wherein the host is configured to

send a first HTTP response that includes a 3xx "Redirection" status code.

4. (Previously Presented) The system of Claim 1, wherein the network proxy is configured to examine the first response to determine if the first response identifies the resource at the second location, and if the first response does not identify the resource at the second location, send the first response to the terminal, and wherein the network proxy is configured to reformulate the request and send the second request if the first response does identify the resource at the second location.

5. (Previously Presented) The system of Claim 4, wherein the terminal is configured to send a first hypertext transfer protocol (HTTP) request, wherein the host is configured to send a first HTTP response, and wherein the network proxy is configured to examine the first response to determine if the first response includes a 3xx "Redirection" status code to thereby determine if the first response identifies the resource at the second location.

6. (Cancelled)

7. (Previously Presented) The system of Claim 1, wherein the network proxy is configured to compress at least one of the first response or the second response before the terminal proxy receives the first response and second response, and wherein the terminal proxy is configured to uncompress the compressed at least one of the first response or the second response before sending the respective response to the client application.

8. (Previously Presented) A method of requesting a resource over at least one network, the method comprising:

sending a first request for the resource from a terminal to a host over a first network and a second network, the terminal including a client application, the first request identifying the resource at a first location on the host;

receiving a first request at the host, and thereafter sending a first response;

receiving the first response at a network proxy, wherein the first response is sent by the host and received at the network proxy over the second network independent of the first network;

reformulating the first request into a second request at the network proxy that identifies the resource at a second location, and thereafter sending the second request to a host of the resource at the second location such that the host of the resource at the second location responds to the second request with a second response;

sending the first response and the second response to a terminal proxy;

sending the first response to the client application such that, in response to the first response, the client application reformulates the first request into a third request that identifies the resource at a second location;

sending the third request from the client application to the terminal proxy, and thereafter sending the second response to the client application,

wherein sending the first response to the client application, sending the third request to the terminal proxy and sending the second response to the client application occur independent of the first network.

9. (Previously Presented) The method of Claim 8, wherein the first network comprises a wireless network and the second network comprises a wireline network.

10. (Previously Presented) The method of Claim 9, wherein sending a first request comprises sending a first hypertext transfer protocol (HTTP) request, and wherein sending a first response comprises sending a first HTTP response that includes a 3xx "Redirection" status code.

11. (Previously Presented) The method of Claim 8 further comprising:

examining the first response to determine if the first response identifies the resource at the second location; and

sending the first response to the terminal if the first response does not identify the resource at the second location,

wherein reformulating the request and sending the second request occur if the first

response does identify the resource at the second location.

12. (Previously Presented) The method of Claim 11, wherein sending a first request comprises sending a first hypertext transfer protocol (HTTP) request, wherein sending a first response comprises sending a first HTTP response, and wherein examining the first response comprises examining the first response to determine if the first response includes a 3xx "Redirection" status code to thereby determine if the first response identifies the resource at the second location.

13. (Cancelled)

14. (Previously Presented) The method of Claim 8 further comprising:

compressing at least one of the first response or the second response before sending the first response and second response to the terminal proxy; and

uncompressing the compressed at least one of the first response or the second response before sending the respective response to the terminal.

15. (Previously Presented) An apparatus comprising:

a processor configured to communicate with a host over a second network independent of a first network, wherein the processor is configured to receive a first response from the host, wherein the first response includes a redirection to a resource at a second location and is responsive to a first request sent from a terminal to the host over the first network and the second network, wherein the first request identifies the resource at a first location on the host, wherein the processor is configured to reformulate the first request into a second request that identifies the resource at the second location, and thereafter send the second request to a host of the resource at the second location such that the host of the resource at the second location responds to the second request with a second response,

wherein the terminal includes a terminal proxy, and wherein the processor is configured to send the first response and the second response to the terminal proxy.

16. (Previously Presented) The apparatus of Claim 15, wherein the processor is configured to receive a first response from the host that identifies the resource at the second location.

17. (Previously Presented) The apparatus of Claim 16, wherein the first request comprises a first hypertext transfer protocol (HTTP) request, and wherein the processor is configured to receive a first HTTP response from the host that includes a 3xx "Redirection" status code.

18. (Previously Presented) The apparatus of Claim 15, wherein the processor is configured to examine the first response to determine if the first response identifies the resource at the second location, and if the first response does not identify the resource at the second location, send the first response to the terminal, and wherein the processor is configured to reformulate the request and send the second request occur if the first response does identify the resource at the second location.

19. (Previously Presented) The apparatus of Claim 18, wherein the first request comprises a first hypertext transfer protocol (HTTP) request, wherein the processor is configured to receive a first HTTP response from the host, and wherein the processor is configured to examine the first response to determine if the first response includes a 3xx "Redirection" status code to thereby determine if the first response identifies the resource at the second location.

20. (Cancelled)

21. (Previously Presented) The apparatus of Claim 15, wherein the processor is configured to compress at least one of the first response or the second response before sending the first response and second response to the terminal proxy.

22. (Previously Presented) An apparatus for requesting a resource over at least one network, the apparatus comprising:

a client application configured to send a first request for the resource to a host over the first network and the second network, the first request identifying the resource at a first location on the host, wherein the client application is configured to send the first request in a manner so that the host sends a first response that a network proxy receives over the second network independent of the first network, reformulate into a second request that identifies the resource at a second location, and send the second request to a host of the resource at the second location such that the host of the resource at the second location responds to the second request with a second response; and

a terminal proxy configured to communicate with the client application independent of the first network, wherein the terminal proxy is configured to receive the second response and thereafter send the second response to the client application,

wherein the terminal proxy is also configured to receive the first response, wherein the terminal proxy is configured to send the first response to the client application such that, in response to the first response, the client application reformulates the first request into a third request that identifies the resource at a second location, and wherein the client application is configured to send the third request to the terminal proxy such that the terminal proxy sends the second response to the client application.

23. (Cancelled)

24. (Previously Presented) The apparatus of Claim 22, wherein the terminal proxy is configured to receive at least one of the first response or the second response compressed such that the terminal proxy uncompresses the compressed at least one of the first response or the second response before sending the respective response to the client application.

25. (Previously Presented) A computer program product comprising a computer-readable storage medium having computer-readable program code portions stored therein, the

computer-readable program code portions comprising:

a first executable portion configured to receive a first response from a host over a second network independent of a first network, the first response including a redirection to a resource at a second location and, wherein the first response is responsive to a first request sent from a terminal to the host over the first network and the second network, and wherein the first request identifies the resource at a first location on the host, and wherein the terminal includes a terminal proxy;

a second executable portion configured to reformulate the first request into a second request that identifies the resource at the second location;

a third executable portion configured to send the second request to a host of the resource at the second location such that the host of the resource at the second location responds to the second request with a second response; and

a fourth executable portion configured to send the first response and the second response to the terminal proxy.

26. (Previously Presented) The computer program product of Claim 25, wherein the first executable portion is configured to receive the first response from the host that identifies the resource at the second location.

27. (Previously Presented) The computer program product of Claim 26, wherein the first request comprises a first hypertext transfer protocol (HTTP) request, and wherein the first executable portion is configured to receive a first HTTP response from the host that includes a 3xx "Redirection" status code.

28. (Previously Presented) The computer program product of Claim 25 further comprising:

a fifth executable portion configured to examine the first response after the first executable portion receives the first response, wherein the fifth executable portion is configured to examine the first response to determine if the first response identifies the resource at the

second location; and

a sixth executable portion configured to send the first response to the terminal if the first response does not identify the resource at the second location,

wherein the second executable portion is configured to reformulate the request, and the third executable portion is configured to send the second request, if the first response does identify the resource at the second location.

29. (Previously Presented) The computer program product of Claim 28, wherein the first request comprises a first hypertext transfer protocol (HTTP) request, wherein the first executable portion is configured to receive a first HTTP response from the host, and wherein the fifth executable portion is configured to examine the first response to determine if the first response includes a 3xx "Redirection" status code to thereby determine if the first response identifies the resource at the second location.

30. (Cancelled)

31. (Previously Presented) The computer program product of Claim 25 further comprising:

a fifth executable portion configured to compress at least one of the first response or the second response before the fourth executable portion sends the first response and second response to the terminal proxy.

32. (Previously Presented) A computer program product for requesting a resource over at least one network, the computer program product comprising a computer-readable storage medium having computer-readable program code portions stored therein, the computer-readable program code portions comprising:

a first executable portion configured to send a first request for the resource to a host over the first network and the second network, the first request identifying the resource at a first location on the host, wherein the first executable portion is configured to send the first request in

a manner so that the host sends a first response that a network proxy receives over the second network independent of the first network, reformulates into a second request that identifies the resource at a second location, and sends the second request to a host of the resource at the second location such that the host of the resource at the second location responds to the second request with a second response; and

a second executable portion configured to communicate with the first executable portion independent of the first network, wherein the second executable portion is configured to receive the second response and thereafter send the second response to the first executable portion,

wherein the second executable portion is configured to also receive the first response and thereafter send the first response to the first executable portion, wherein the second executable portion is configured to send the first response to the first executable portion such that, in response to the first response, the first executable portion reformulates the first request into a third request that identifies the resource at a second location, and wherein the first executable portion is configured to send the third request to the second executable portion such that the second executable portion sends the second response to the first executable portion.

33. (Cancelled)

34. (Previously Presented) The computer program product of Claim 32, wherein the second executable portion is configured to receive at least one of the first response or the second response compressed, and wherein the second executable portion is configured to uncompress the compressed at least one of the first response or the second response before sending the respective response to the first executable portion.

35. (Previously Presented) The system of Claim 1, wherein the first response sent from the host, received at the network proxy, received at the terminal proxy and sent from the terminal proxy to the client application of the terminal includes a redirection to the host of the resource at the second location from which to receive the resource to complete the first request.

36. (Previously Presented) The method of Claim 8, wherein the first response sent from the host, received at the network proxy, sent to the terminal proxy and sent to the terminal includes a redirection to the host of the resource at the second location from which to receive the resource to complete the first request.

37. (Previously Presented) The apparatus of Claim 22, wherein the first response sent from the host, received at the network proxy, received by the terminal proxy and sent from the terminal proxy to the client application includes a redirection to the host of the resource at the second location from which to receive the resource to complete the first request.

38. (Previously Presented) The computer program product of Claim 32, wherein the first response sent from the host, received at the network proxy, received by the second executable portion and sent to the first executable portion includes a redirection to the host of the resource at the second location from which to receive the resource to complete the first request.

9. ***Evidence Appendix.***

None.

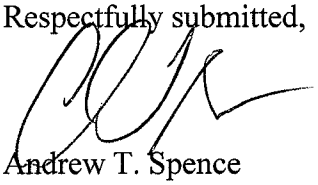
10. ***Related Proceedings Appendix.***

None.

CONCLUSION

For at least the foregoing reasons, Appellant respectfully requests that the rejections be reversed.

Respectfully submitted,



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